Universitat de Barcelona
Departament d'Àlgebra i Geometria

SEMINARI DE GEOMETRIA ALGEBRAICA 2004-05

Divendres, dia 14 de Gener
Aula B5. Facultat de Matemàtiques

15:00 *Phylogenetic Invariants*
Seth Sullivant
University of California, Berkeley

Resum. Statistical models of evolution are algebraic varieties in the space of joint probability distributions on the leaf colorations of a phylogenetic tree. The phylogenetic invariants of the model are the polynomials which vanish on the variety. I will give a survey of recent results in this area including work of Allman and Rhodes for the general Markov model and joint work with Sturmfels on group-based model.